

# OIL ANALYSIS REPORT

# VOLVO PENTA

## BEN ROSENBAUM VOLVO PENTA 7008582050 - PORT DIESEL ENGINE

Sample No: VPA053310

Oil Type: VOLVO ULTRA DIESEL ENGINE OIL 15W40 VDS-3

### SAMPLE INFORMATION

Sample Number	VPA053310	---	---	---
Sample Date	07 Jun 2024	---	---	---
Machine Hours	122	---	---	---
Oil Hours	0	---	---	---
Oil Changed	Not Changd	---	---	---
Sample Status	NORMAL	---	---	---

### OIL CONDITION

Visc @ 100°C	cSt	█ 12.0	---	---	---
Base Number (BN)	mg KOH/g	█ 7.2	---	---	---
Oxidation (PA)	%	54	---	---	---

### CONTAMINATION

Water	%	NEG	---	---	---
Soot %	%	█ 0.5	---	---	---
Nitration (PA)	%	70	---	---	---
Sulfation (PA)	%	50	---	---	---
Glycol	%	NEG	---	---	---
Fuel	%	< 1.0	---	---	---
Silicon	ppm	█ 25	---	---	---
Sodium	ppm	█ 5	---	---	---
Potassium	ppm	█ 2	---	---	---

### WEAR METALS

Iron	ppm	█ 18	---	---	---
Copper	ppm	█ 38	---	---	---
Lead	ppm	█ 2	---	---	---
Tin	ppm	█ < 1	---	---	---
Aluminum	ppm	█ 5	---	---	---
Chromium	ppm	█ 2	---	---	---
Molybdenum	ppm	█ 85	---	---	---
Nickel	ppm	█ < 1	---	---	---
Titanium	ppm	█ < 1	---	---	---
Silver	ppm	█ < 1	---	---	---
Manganese	ppm	█ 2	---	---	---
Vanadium	ppm	< 1	---	---	---

### ADDITIVES

Calcium	ppm	█ 2378	---	---	---
Magnesium	ppm	77	---	---	---
Zinc	ppm	█ 1253	---	---	---
Phosphorus	ppm	█ 1086	---	---	---
Barium	ppm	█ 0	---	---	---
Boron	ppm	█ 59	---	---	---

### CY MARINE LLC

3821 NW 135th ST, SUITE F  
OPA LOCKA, FL  
US 33054  
Contact: CAMERON MEDINA  
cymarinellc@gmail.com  
T: (954)702-8096  
F: x:

### Diagnosis

Resample at the next service interval to monitor. Metal levels are typical for a new component breaking in. There is no indication of any contamination in the oil. The BN result indicates that there is suitable alkalinity remaining in the oil. The condition of the oil is suitable for further service.

Depot: VPCYMPOM  
Unique No: 11071667  
Signed: Sean Felton  
Report Date: 12 Jun 2024

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## GRAPHS

